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A2
1 (amended). A method for regenerating genetically modified plants of pine of the genus *Pinus* selected from the group consisting Southern yellow pines and hybrids thereof, which comprises selecting transgenic embryogenic pine cells using a selection medium comprising an agent that regulates differentiation of embryos from embryogenic cells, said agent is selected from the group consisting of abscisic acid (ABA), an osmoticum, a gelling agent and combinations thereof.

A3
3 (amended). The method of claim 1, wherein transformed pine cells are cultured using a medium comprising said agent to select said transgenic embryogenic pine cells.

5 (amended). The method of claim 1, wherein said agent is ABA.

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6 (amended). The method of claim 1, wherein said agent is polyethylene glycol (PEG).

7 (amended). The method of claim 1, wherein said agent is a gelling agent introduced into the selection medium in an amount between about 3% and about 5%.

A5
10 (amended). The method of claim 1, wherein said agent is a gelling agent introduced into the selection medium in an amount between about 0.5% and about 1.5%.

A6
14 (amended). The method of claim 3, wherein said agent is ABA.

15 (amended). The method of claim 3, wherein said agent is polyethylene glycol (PEG).

16 (amended). The method of claim 3, wherein said agent is a gelling agent introduced into the selection medium in an amount between about 3% and about 5%.

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19 (amended). The method of claim 3, wherein said agent is a gelling agent introduced into the selection medium in an amount between about 0.5% and about 1.5%.

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22 (amended). The method of claim 1, wherein said selection is performed by culturing pine cells which have been subjected to transformation using a transformation medium comprising said agent;
contacting said cells with a selection agent; and
selecting transformed cells.

A⁹

24 (amended). The method of claim 22, wherein said selection agent is contained in a layer and said cells are cultured on a support membrane placed over said layer which is placed on a gel medium.

25 (amended). The method of claim 24, wherein said layer is a liquid medium.

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28 (amended). The method of claim 22, wherein said transformed cells are cultured on a gel medium comprising said agent.

A¹¹

31 (amended). The method of claim 3, wherein said selection is performed by culturing pine cells which have been subjected to transformation using a transformation medium comprising said agent;
contacting said cells with a selection agent; and
selecting transformed cells.

A¹²

33 (amended). The method of claim 31, wherein said selection agent is contained in a layer and said cells are cultured on a support membrane placed over said layer which is placed on a gel medium.

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34 (amended). The method of claim 33, wherein said layer is a liquid medium.

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37 (amended). The method of claim 31, wherein said transformed cells are cultured on a gel medium comprising said agent.

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41 (amended). The method of claim 40 which further includes the eradication of *Agrobacterium* from pine cells subjected to *Agrobacterium* transformation following transformation.

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43 (amended). The method of claim 42 which further includes the eradication of *Agrobacterium* from pine cells subjected to *Agrobacterium* transformation following transformation.

A16

46 (amended). A transgenic embryogenic pine culture prepared by the method of claim 3.

47 (amended). A transgenic embryogenic pine culture prepared by the method of claim 5.

A17

52 (amended). A transformed pine plant of the genus *Pinus* regenerated from transgenic embryogenic pine cells selected by the method of claim 3.

53 (amended). A transformed pine plant of the genus *Pinus* regenerated from transgenic embryogenic pine cells selected by the method of claim 5.
